

Title (en)

Linerless engine cylinder block

Title (de)

Zylinderblock ohne Futterung für Maschinen

Title (fr)

Bloc-cylindres sans fourreaux pour moteurs

Publication

EP 0677652 B1 19981202 (EN)

Application

EP 95103779 A 19950315

Priority

JP 7431794 A 19940318

Abstract (en)

[origin: EP0677652A1] The present invention relates to a linerless engine cylinder block made of a aluminium alloy comprising at least one cylinder (2), which slideably receives a piston (5) sliding along an inside surface (4) of the cylinder (2), said piston (5) being connected to a crankshaft by a connecting rod (7). The inside surface (4) of the cylinder (2) comprises two portions, namely a plated main portion (4) and a lower portion (4B) which is left unplated. Preferably said lower portion (4B) provides a seat (16) for a plating tool during the plating process. <IMAGE>

IPC 1-7

F02F 1/10; **F16J 10/04**; **F02B 77/02**

IPC 8 full level

F02F 1/10 (2006.01); **F02F 7/00** (2006.01); **F16J 10/04** (2006.01); **F02B 75/18** (2006.01)

CPC (source: EP US)

F02F 1/108 (2013.01 - EP US); **F02F 7/0007** (2013.01 - EP US); **F16J 10/04** (2013.01 - EP US); **F02B 2075/1816** (2013.01 - EP US); **F02F 7/006** (2013.01 - EP US)

Cited by

CN109931181A; US6125811A; EP0922849A3; WO2004009986A1; WO2009112177A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0677652 A1 19951018; **EP 0677652 B1 19981202**; DE 69506305 D1 19990114; DE 69506305 T2 19990429; US 5666933 A 19970916

DOCDB simple family (application)

EP 95103779 A 19950315; DE 69506305 T 19950315; US 40669195 A 19950320